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Taylor et al.(10) **Pub. No.: US 2017/0167054 A1**(43) **Pub. Date: Jun. 15, 2017**(54) **THERMALLY AND DIMENSIONALLY
STABILIZED ELECTROSPUN
COMPOSITIONS AND METHODS OF
MAKING SAME****Publication Classification**(51) **Int. Cl.***D01F 6/84* (2006.01)*D04H 1/728* (2006.01)*D01D 1/02* (2006.01)*D01F 6/62* (2006.01)*D01D 5/00* (2006.01)(52) **U.S. Cl.**CPC *D01F 6/84* (2013.01); *D01F 6/625*(2013.01); *D01D 5/003* (2013.01); *D01D 1/02*(2013.01); *D04H 1/728* (2013.01); *D10B**2509/00* (2013.01)(71) Applicant: **POLY-MED, INC.**, Anderson, SC (US)(72) Inventors: **Michael Scott Taylor**, Anderson, SC
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ABSTRACT

Thermally stable absorbable fiber populations, i.e. fiber populations that do not undergo thermally induced crystallization, can be intermixed with thermally unstable fibers to yield a stabilizing effect without altering morphological properties of a fiber system. Via this, one may minimize thermally induced shrinkage and maintain physical properties of electrospun materials in the as-formed state.

